KX-5 Single Barrel Trap Gun
Instruction Manual

KRIEGHOFF

Krieghoff KX-5 Single Barrel Trap Gun

Handling and Service Instructions for
The Krieghoff KX-5 Single Barrel Trap Gun.

With proper care and periodic maintenance, your Krieghoff can provide a lifetime of shooting pleasure.

Ask your dealer for Krieghoff gun care products
Gun Pro (GP), Gun Glide (GG)

"KX-5" is a registered trademark of H. Krieghoff GmbH, Ulm-Germany.
"A Tradition of Performance" is a registered trademark of Krieghoff International, Inc., Ottsville, PA.

Caution!
Read and understand all instructions before using this or any other firearm. Read, learn,and observe the safety procedures described on page 4. Always point a firearm in a safe direction so that it does not endanger anybody, including yourself. Shot can be dangerous to over 400 yards, and bullets may range as far as three miles. Do not discharge a gun towards any hard surface, including water, because both shot and bullets can ricochet in unpredictable directions.

Never point any firearm towards another person or yourself!

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Gun Safety
Gun safety is your responsibility! Read and observe these essential rules.

➡ A loaded firearm can cause SERIOUS INJURY OR DEATH! When handled properly and according to basic safety rules, it is safe.
➡ Accident prevention is the responsibility of anyone handling a firearm.
THINK GUN SAFETY!
➡ Handle any gun as if it is loaded. EVERY GUN IS A LOADED GUN!
➡ Never point any firearm at yourself or anyone else.
➡ When shooting targets, always keep your firearm open until it is your turn to shoot.
➡ Mechanical safeties are an important additional safety feature, but they are no substitute for safe gun handling! Always handle any firearm as if it is loaded and ready to fire. Because of the strictly controlled circumstances of competitive shooting, it may be advantageous to have no mechanical safety or one that can be made inoperative. If your gun has no safety, use it only for clay target competition. If your gun has a safety that can be made inoperative, shoot it with the safety inoperative only for clay target competition. When shooting in the field, you MUST make the safety operative and use it.
➡ Control your shooting. Be aware of the range of the ammunition you shoot. This may vary from several hundred yards for shotgun pellets to several miles for rifle bullets. Never shoot at a hard surface or at water because shot and bullets can ricochet in any direction with sufficient force to cause injury or death.
➡ Be ABSOLUTELY CERTAIN that it is safe to shoot in the direction you intend to fire. If there is the slightest question or doubt, DO NOT SHOOT! Remember: Shotgun pellets can cause injury or death over hundreds of yards. Rifle bullets can cause injury or death over several miles.
➡ Never hold a firearm at the muzzle. Never rest the muzzle on your foot.
➡ Competitive shotguns may have a PULL trigger or a RELEASE trigger. Always familiarize yourself with the trigger system of any firearm before you shoot it. Refer to your instruction manual and then dry-fire the firearm until you are completely familiar with its operation.
➡ Before handling and loading a firearm, be sure you know how it functions. Read the instruction manual. If the instruction manual is missing, contact Krieghoff International, P.O. Box 549, Ottsville, PA 18942 or H. Krieghoff, P. O. Box 2610, D-89016 Ulm, Germany.
➡ Use factory loaded ammunition only. Factory

ammunition is manufactured with the most sophisticated and reliable equipment available. The quality and consistency of factory loaded ammunition is essential to firearm safety.
➡ NEVER use reloaded ammunition. NEVER use ammunition that appears to be damaged or irregular in any way.
➡ ALWAYS use ammunition that is made for the specific chamber size and gauge/caliber of your gun.
➡ Keep your firearm clean. Prevent dirt and foreign objects from entering the action and the barrel. Before loading a firearm, inspect the barrel to be certain that it is clean and free of foreign objects. Shooting with ANY obstruction in the barrel - dirt, mud, snow, grease, or remnants of wads, bullets, or bullet jackets - can cause a barrel to bulge or rupture and can cause SERIOUS INJURY OR DEATH.
➡ NEVER use alcohol or any other drug that can alter consciousness and/or judgement before or during handling or shooting a firearm.
➡ Always wear eye and ear protection when shooting.
➡ Firearms must be protected from corrosion, which can affect their safe and proper function. Firearms should be kept thoroughly clean, and all metal surfaces should be protected with a light film of gun oil, such as Kriegshoff's GP, especially during storage. Store firearms uncovered or in a gun slip that can breathe, and provide them with proper ventilation.
➡ Store all firearms UNLOADED!
Be ABSOLUTELY certain that the chamber of every gun is empty.
➡ Store all firearms in a LOCKED cupboard or safe and OUT OF THE REACH OF CHILDREN.
➡ Remember that NO gun can ever shoot anything that it is not pointed at!

Assembly and Disassembly

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Assembly

Lubricate gun as described in Maintenance Section (page 20). Open the top lever. Hold the barrels in the left hand as shown, brace the muzzle between your legs. Holding the receiver and stock by the pistol grip with the right hand, engage the barrel into the action at about a 45-degree angle using pressure with the ball of the left hand to direct the barrel. (See illus. No. 1) Using a rocking motion up and down, seat the barrel lug fully into the receiver. Holding the gun in one hand, take the forearm in the other and position the rear surface against the front of the action (See illus. No. 2) at about a 30 degree angle. Push the button at the end of the forearm (See illus. No. 3) to release the catch. The forearm can then be firmly pressed up into the latched position against the barrel, taking care that the latch engages fully. Avoid striking the underside of the barrels or the receiver with the sharp edges of the forend iron.

Disassembly

Disassemble the gun in the reverse order. Push the forend button, and remove the

Stock Removal and Reinstallation

forend. Then open the top lever and carefully remove the barrel by gently rocking and rotating them until it is disengaged. Do not attempt to pry them off with a single motion because this may damage the finish of the barrel or the receiver.

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Removal

Unscrew the stockbolt with the special 5mm T-handled stock wrench supplied. Thread out 2 full turns and tap wrench handle while in stock bolt, on firm surface, to loosen tension on receiver. You may lay receiver on a flat padded surface. Thread out the rest of the way. Gently bump the handle of the stock wrench or the bottom of the pistol grip with the palm of the hand to loosen the stock from the receiver. Make certain that the bolt is completely disengaged and then carefully remove the stock to the rear (see illus. No. 4) Do not move the stock up and down to loosen and remove it because this may damage the inletting.

Reinstallation

Insert the stock wrench into the stock through the small hole in the recoil pad and seat it firmly in the stock bolt. Slide the stock straight onto the rear tang and forward to meet the receiver. Push them together firmly. Again, be careful not to force the stock onto the receiver or to rock it up and down because this may damage the inletting. Seat the stock bolt in the bolt hole and tighten firmly, but not excessively, with the stock wrench.

Locking System

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Locking System

The heart of the KX-5 single barrel trap gun is a massive locking bolt. Even after many thousands of rounds, any wear on the locking bolt is compensated for by its free forward movement, which keeps the gun as tight as new. When your gun is new, the lever will stay slightly to the right, and this is part of the design that ensures complete and tight locking at all times (see illus. No. 5).

Over a useful life of many thousands of rounds, and as the gun wears in, the opening lever will move to the left. In the rare event of extreme wear after extensive use, a qualified Krieghoff gunsmith can install a new locking bolt, which will restore your locking system to "as new" condition.
When dismantling your gun for storage, the lever should be pressed to the right (see illus. No. 6) at the same time depressing the locking bolt latch in the bottom of the receiver and simultaneously pulling the trigger. The top lever can then be eased back to the center position (see illus. No. 7) to remove tension from the spring.

If the gun has a release trigger, press the top lever all the way to the right and set the release by pulling the trigger. Then allow the top lever to close slightly and let the trigger go. You may then allow the top lever to ease all the way to the center position.

Point-of-Impact Adjustment

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The KX-5 features a unique fully adjustable, ventilated, step rib which measures 1/2" – 5/16" (12 –8 mm) in width. The rib can be easily adjusted allowing you to change the point-of-impact quickly and conveniently. The gun is calibrated at the factory for a **65% / 35%** point of impact.

By altering the height of the rib you can vary the pattern from flat shooting 50% / 50% to nearly 90% / 10% high. The free-floating adjustable rib is locked in place by a set screw at the muzzle, and a hex screw at the breech. As the screws are loosened, the rib can be moved up or down by rotating the small knurled nut located below the front bead. As the rib is raised or lowered, it rotates on a short radius around a cam located just in front of the monoblock. When the desired rib height is reached, and both set screws are tightened, you may readjust the comb of the KX-5 stock and the gun is ready to go.

Point-of-Impact Adjustment

Instructions for Adjusting

1) Before adjusting, cleaning, storing, or handling your gun other than shooting, ALWAYS MAKE SURE THE GUN IS UNLOADED!!!

2) Open the gun and use your KX-5 stock wrench to loosen the hexagon set screw that is located in the face of the monoblock just above the chamber.

3) Loosen the set screw in the knurled nut located just below the front bead with the small hex wrench provided. Turning the nut **clockwise** lowers the rib and raises the point of impact. Turning the nut **counter-clockwise** raises the rib and lowers the point of impact. Now turn the knurled nut and notice the 5 calibrated lines that appear as the rib moves up or down. When the gun is made, it is set to shoot a 65%/35% pattern. As you move the rib DOWN, each line of the calibration marks a 1-2" rise in the pattern. RAISING THE RIB by one line of calibration WILL LOWER THE PATTERN by 1-2".

4) When the rib is at the chosen height tighten the set screws at the muzzle end. Notice that the two screws are offset at a 40-degree angle so that one is always accessible.

5) Now use your KX-5 stock wrench to tighten the screw in the face of the monoblock and close the gun.

6) Re-adjust the comb on the stock so you see your comfortable as it was before you made the rib adjustments. Do this by adjusting the comb up or down until you see the corrected sight picture.

7) Re-pattern gun and repeat steps 3-6 until you are confident on straight away breaks and/or a pattern board.

Screw-in Chokes

ALWAYS UNLOAD ANY GUN BEFORE CHANGING CHOKE TUBES!
Never shoot a choke tubed barrel without a choke tube installed.

It is very important that choke tubes be properly maintained and protected from damage.
If chokes are not periodically removed from the barrel and cleaned, corrosion and rust may form between the choke tube and the barrel. This makes it impossible to remove the tube from the barrel.

Choke tubes should be removed and cleaned whenever the gun is cleaned. Apply barrel solvent to the choke tube and wipe it clean, paying particular attention to remove foreign particles from the threaded area and any plastic build up from the rear internal portion of the tube. Also apply solvent to and wipe clean the threads in the barrel itself. Apply a light coat of Krieghoff GP or other fine gun oil to the choke tube before installing it in the barrel. Grease threads sparingly. Install choke tubes by hand. If you encounter any roughness or resistance, check to make sure that both the tube and the barrel are clean, free of debris, well-lubricated and undamaged.

If a choke tube is dented or otherwise damaged, its rear edge could protrude into the bore of the barrel. When the gun is fired, the shot charge could be impeded by the damaged tube, and the barrel could be totally destroyed. Handle the choke tubes with care. Store them in their protective cases. Examine them closely for damage if they are ever dropped, stepped on, or otherwise dented. NEVER shoot with a damaged choke tube.

If you discover that a choke tube is damaged, discard it immediately.

Whenever you change or reinstall choke tubes, look through the bore to make ABSOLUTELY CERTAIN that the tube does not protrude into or obstruct the barrel in any way. Failure to do so could result in severe damage to the barrel and SEVERE INJURY to the shooter or those around him.

To install a choke tube, screw it all the way in by hand and tighten it gently with the choke tube wrench.
Never apply force when installing a choke tube and never over tighten.
For choke tube selection see page 13.

Steel Shot

The KX-5 represents the combination of the most modern materials and traditional fine craftsmanship. This craftsmanship has evolved over decades of careful attention to fine handwork and fitting and has been proven by years of extensive use of our guns in the field of competition. Today, all of this has resulted in a gun which we can call a product of the highest quality.

We recommend that steel shot not be fired through barrels with tighter than modified choke because the hard steel can damage the choke ramp and ruin the barrel. Note that this does not result in any loss of ballistic efficiency since steel shot patterns tighter than lead shot, and modified chokes gives the optimal long range performance with steel shot.

Coke Tube Designations

Screw-in Choke markings are as follows:

00 Cylinder (C)
0 Skeet (S)
1 Improved Cylinder (IC)
1+ Light Modified (LM)
2 Modified (M)
2+ Light Improved modified (LIM)
3 Improved Modfied (IM)
4 Full (F)
5 Super Full (SF)

Trigger Adjustments

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To adjust the trigger position, loosen the screw about one turn with the hex key provided (See image). The forward opening in the trigger is where the screw is.
The rear opening does not contain anything. Slide the key to the desired position and gently retighten the trigger position screw.

Note:
To prevent damage, it is important to never over-tighten the locking screw.

Adjusting Trigger Pull for Poundage
Your gun will come with the trigger set for 3 1/2 pounds. If a heavier pull is desired, use the 2.5mm hex wrench provided to tighten the screw found behind the trigger. Through the opening in the trigger guard, turn the screw clockwise.

Attention: If the trigger screw is tightened too far the trigger will lock up. In this event, loosen the trigger screw by moving it counter clockwise until the trigger functions properly again.

Release Triggers

Release triggers are particularly popular in American trapshooting. As the name suggests, the gun fires when the trigger is released, rather than when it is pulled. The idea is to have the trigger finger make a smooth, almost effortless move by simply 'letting go'. To fire a gun equipped with a release trigger, you must first 'set' the trigger. Facing in the direction that you intend to shoot and with the gun mounted to the shoulder, you pull the trigger until you feel a complete and positive stop. You must hold the trigger in that position until you are ready to shoot. Call for the target, and release the trigger to fire the gun. If for any reason you do not want to fire the gun after you have set the trigger, you must disengage the trigger to prevent the gun from firing. To do this, maintain a firm hold on the trigger with your trigger finger, being absolutely certain that the gun is pointed in a safe direction. With your opposite hand, open the gun with the top lever in the usual manner. Allow the gun to fall open. Push lever over again with finger OFF of the trigger for final 'click' as sear and hammer are returned. The release trigger is now disengaged. To shoot, close the gun and proceed in the manner described above. It is absolutely necessary that you thoroughly understand the release trigger mechanism and familiarize yourself with it. Dry-fire the gun repeatedly with snap caps until you are completely familiar with the way the trigger feels and handles.

Warning:
At least 10% of the guns used to shoot American trap are equipped with release triggers. NEVER SHOOT A GUN WITH RELEASE TRIGGERS UNTIL YOU HAVE DRY-FIRED IT AND THOROUGHLY UNDERSTAND THE TRIGGER AND HOW TO DISENGAGE IT. NEVER SHOOT ANY GUN UNTIL YOU ARE COMPLETELY FAMILIAR WITH ITS TRIGGER SYSTEM AND ALL OF ITS OPERATING AND SAFETY FEATURES.

Krieghoff KX-5 can be ordered with a factory release trigger, or it may be installed later.

Stock finish

Krieghoff KX-5 stocks are finished with a specially formulated epoxy lacquer which seals the wood completely so that it cannot be damaged even in the wettest weather. If your gun does get wet, however, the stock, forend, receiver, and barrels should be wiped down and allowed to air dry separately. After the metal components are completely dry, apply a light coat of gun oil. After the stock and forend are dry, they require no further care. Note that the matte satin finish of these stocks may become glossy over time through use.

Adjustable Stock

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Krieghoff KX-5 stocks are adjustable at the comb for height and off-set.
The drop at heel and comb can be adjusted from approximately 1-1/4“ to approx. 1-5/8“. To change the height adjustment, carefully insert the 2.5mm adjustable stock wrench supplied into the holes on the right side of the comb, and loosen the clamp screws by turning them counterclockwise for approximately two turns.
Do not attempt to turn the clamp screws all the way out because this may damage the stock finish around the holes.

Adjustable Stock

After loosening the clamp screws, pull the comb piece straight up and completely off of the stock. Do not rock the comb piece from front to back as you pull it up. Underneath the comb piece are two round steel plates inlet into the wood. Each of the plates contains a height adjustment screw. Use the small stock wrench to adjust the screws, turning them counterclockwise (out) to raise the comb and clockwise (in) to lower it. Both adjustment screws should be at the same height when the comb piece is reinstalled, although the design allows for a limited pitch lengthwise.

To reinstall the comb piece, align the holes in the steel plate with the guidepost on the stock and slide them directly onto the posts, again being careful not to rock the comb piece back and forth, until the height adjustment screws rest firmly on the steel plates.

Note that the height adjustment screws must rest firmly on the steel plates of the stock as described above or else the comb height will not be consistent and may actually change during shooting.

Adjusting for Offset:
Proceed as described above to take the comb piece completely off the stock. The guideposts located in the cutoff section of the stock are now accessible. Use the small stock wrench to loosen the lock screw on the top of the guidepost and then slide it sideways in either direction for the desired amount of offset. Both posts should be moved about the same distance, although a slight variation is possible. Note the lines of calibration, which make it possible to check, maintain, and repeat the precise degree of adjustment.

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Maintenance

The Krieghoff KX-5, like any other fine equipment, must be properly maintained to ensure a lifetime of reliable and consistent service. Before assembling and shooting the gun, its critical bearing surfaces must be properly lubricated. Immediately after shooting and before storing the gun, its external metal surfaces should be wiped down and lightly oiled. The bore and action of the gun should be thoroughly cleaned periodically.

Your KX-5 should be serviced by a qualified Krieghoff gunsmith after every 15,000-20,000 rounds.

When assembling the gun, place a small amount of Krieghoff Gun Glide or other high quality gun grease in the barrel pivots. Place a very light coat on the flat surfaces adjacent to the pivots; on the barrel lug; on the barrel sidewings where they are engaged by the top latch; and on the surface of the forend iron where it joins the receiver.

After shooting and disassembling the gun, wipe these surfaces to remove the grease and any grit that may have accumulated.To clean the action, remove the stock and use a soft brush to apply mineral spirits or conventional gun cleaning solvent and remove all visible grime and debris. NEVER use aggressive aerosol cleaners for this purpose and NEVER allow cleaning solution of any kind to run through the action block itself because the solvent will reduce or remove the gun's internal lubrication. This lubrication can only be replaced by a qualified Krieghoff gunsmith after complete disassembly of the action! To prevent this, always keep the firing pin above the area that you are cleaning so that the solvent will drain away from the action block. When cleaning the sear, hammer, etc., keep the back tang of the action pointed down. When cleaning the front of the action, keep it pointed down. THIS IS MOST IMPORTANT!

Maintenance

After cleaning the action, spray it very lightly with Gun Pro. You may also apply a very, very light coat of Gun glide to the rear portion of the bottom of the sear. This can be done with the tip of a toothpick, and, again, only a very, very light film of lubricant is needed. The barrels must be cleaned to remove lead fouling and the build up of plastic from wads. Use a conventional bore solvent and follow the manufacturer's instructions, saturating cleaning patches with the solvent and running them through the bore with a shotgun cleaning rod.
For particularly stubborn fouling, apply more solvent and use a phosphor bronze cleaning brush. Then alternate solvent-soaked and dry patches until the bore is clean and finish with a light coat of Gun Pro. If your barrel is equipped with choke tubes, clean the barrel first with the tubes installed and then remove and clean the tubes themselves as described on p.12. If you shoot in the rain or snow and your gun is wet, disassemble it; wipe it dry; and then allow it to air dry thoroughly overnight before applying a light coat of gun oil.

Annual Service:
For the dedicated clay target competitor, the **Krieghoff Annual Service is recommended after every 15,000 to 20,000 rounds** to keep your Krieghoff in top form and ensure consistent performance. The gun is disassembled, cleaned and re-lubricated. All springs are replaced, and it is fined tuned to original factory specifications.

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Gun Pro is a high quality gun oil used for the continuous care of internal and external gun parts: locks, barrels, and stocks. It cleans, lubricates, and protects against corrosion. It penetrates moisture and neutralizes acid from hands and is non-gumming and heat resistant. Gun Pro contains no silicone and therefore will not damage optics such as scopes.

Gun Glide is a high quality grease that protects guns from heavy wear. Use it as described above on the heavy wear areas of the KX-5 and other break-open guns: the barrel pivot point, and the area just behind the back of the barrel lug; the face of the ejector, where it meets the face of the breech; and the rear surface of the forend iron.

Notes

Notes

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